

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

**МАТЕРІАЛИ ХІ ВСЕУКРАЇНСЬКОЇ  
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ  
СТУДЕНТІВ АСПІРАНТІВ ТА ВИКЛАДАЧІВ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО  
ЦЕНТРУ КАФЕДРИ ІНОЗЕМНИХ МОВ**

**“TO MAKE THE WORLD SMARTER AND SAFER”**

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MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
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**MATERIALS OF THE ELEVENTH  
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(Sumy, March 23, 2017)

## ABSORBABLE STENTS FOR THE TREATMENT OF VASCULAR THROMBOSIS

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Diseases of the heart and blood vessels - one of the leading causes of death and disability among the population all over the world. According to the World Health organization, cardiovascular disease is causes death of 16.7 million people per year. In Ukraine, during the last 15 years there has been increase in mortality in this pathology. In general the structure of mortality in Ukraine, cardiovascular diseases account for more than half. New technologies such as endovascular procedures and coronary artery shunting are becoming widely applied in Ukraine. The introduction of the new methods of myocardial revascularization expanded treatment options for patients with coronary artery diseases.

Atherosclerosis affects the artery wall. Due to the loss of elasticity, enough space for expansion is lost. The deposition of atherosclerotic plaques inside causes the narrowing of the diameter of the vessel, making it difficult to deliver nutrients. At the same time, clinical symptoms of heart hypoxia (lack of oxygen)begin to manifest. This fact gives explanation of heart strokes.

Complete blockage of the coronary arteries leads to the development of necrosis region (necrosis) in myocardial infarction. In the world, this pathology is still considered one of the main causes of death among adults.

Timely stenting vessels of the heart, prevent the development of serious complications of atherosclerosis.

The term "stent" refers to surgical fixation of the stent within the artery that leads to mechanical expansion of the narrowed portion and in restoring normal blood flow. The operation relates to endovascular (intravascular) surgical procedures

Surgical procedures is not only established coronary stenting (heart blood vessels), but also has a stent in the carotid artery in order to eliminate the signs of cerebral ischemia in the femur - the treatment of atherosclerotic changes in the lower extremities of the abdominal aorta and iliac - overt signs in the presence of atherosclerotic lesions.

How operation is performed

For vessels in cardiac stenting femoral artery catheter at the end of which a tiny balloon stent put on it. Under the control of the X-ray device of the catheter is introduced into the mouth of the coronary arteries and is moved to the desired part of the restriction. As a result - the blood flow is restored. The circuit of the stent within the vessel

Operation stenting has been held for nearly forty years. Methodology and technical support is constantly being improved. Expanding indications, there is no age limit. It is recommended for all patients with coronary artery disease not to be afraid of consulting a surgeon, it is possible to extend the active life.

In conclusion it is worth saying that this method of treating vascular diseases is a great achievement of modern medical science. But I think it will be constantly improving and I hope, we as future medical workers will make our contribution in its development.